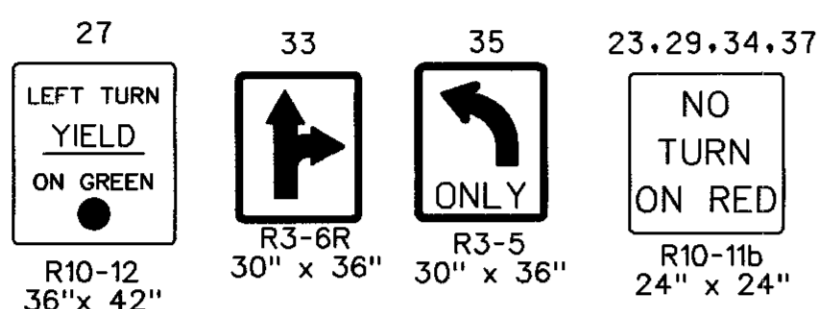
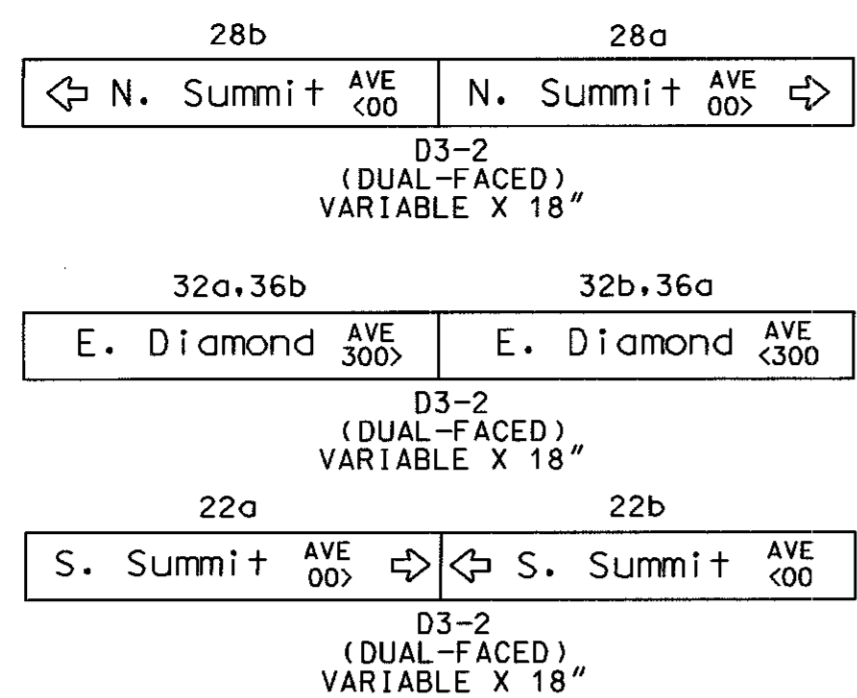


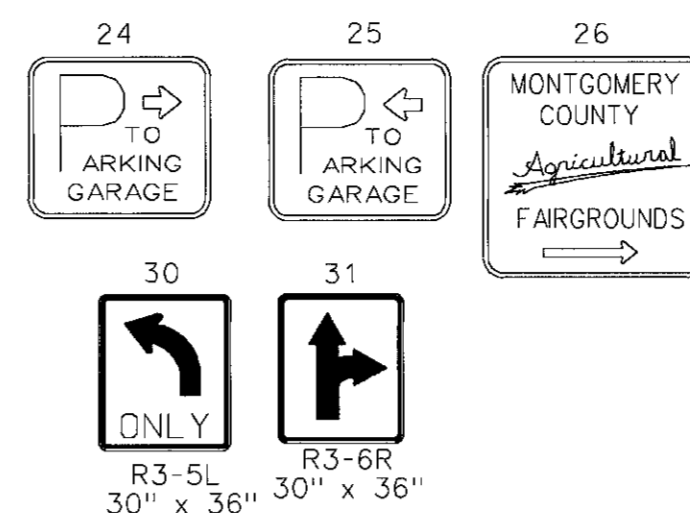
EAST DIAMOND AVENUE IS ASSUMED TO RUN IN AN EAST-WEST DIRECTION

PUSH BUTTON TO CROSS E. DIAMOND AVE  
START CROSSING WARNING TIME  
DON'T START PUSH BUTTON IF STARTED  
PUSH BUTTON IN CROSSING  
R10-3C  
9" x 12"  
TO BE INSTALLED WITH PUSHBUTTON

### PROPOSED SIGNS

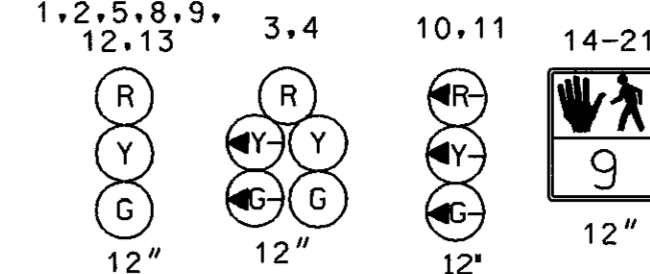


### EXISTING SIGNS



NOTE: SIGNS #24, 25 & 26 ARE TO BE RELOCATED ONTO THE PROPOSED POLES AS SHOWN.

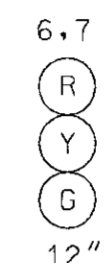
### PROPOSED SIGNALS



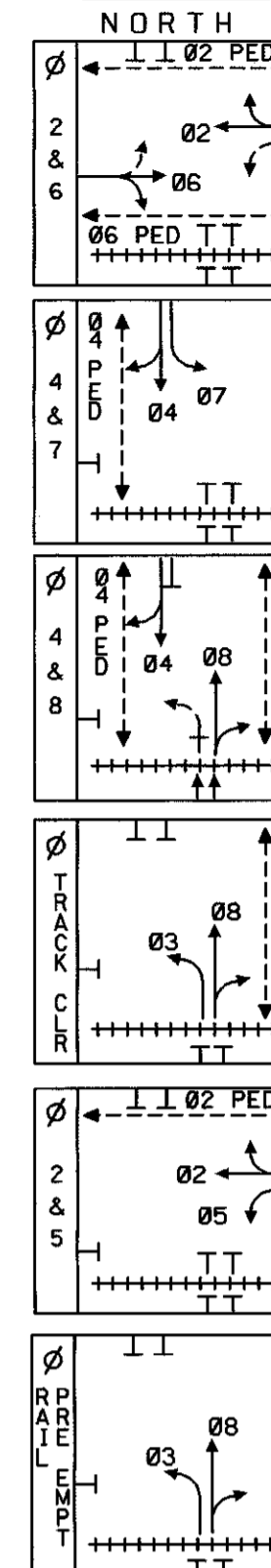
ALL SIGNALS WILL BE BLACK-FACED

VIDEO DETECTOR CAMERA (A-D)

### EXISTING SIGNALS



### PHASING



### CONSTRUCTION DETAILS

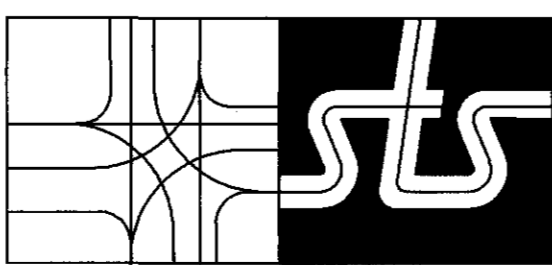
- Install 16.5' steel pole with a 26' mast arm (black), traffic signal heads and signs onto existing foundation as shown. (Note: Use existing 3", 90°polyvinyl chloride (Schedule 80) bend.)
- Install 18.5' steel pole with a 26' mast arm (black), traffic signal heads, signs, video detector camera, "countdown" pedestrian signal heads and pushbutton with pedestrian education sign onto existing foundation as shown. (Note: Use existing 3", 90°polyvinyl chloride (Schedule 80) bend.)
- Install 16.5' steel pole with a 50' mast arm (black), traffic signal heads, signs, and video detector cameras onto existing foundation as shown. (Note: Use existing 3", 90°polyvinyl chloride (Schedule 80) bend.)
- Install 16.5' steel pole with a 30' mast arm (black), traffic signal heads, signs, video detector camera, "countdown" pedestrian signal heads and pushbutton with pedestrian education sign onto existing foundation as shown. (Note: Use existing 3", 90°polyvinyl chloride (Schedule 80) bend.)
- Remove existing signal pole and all attached signal equipment. Install 10' breakaway pedestal pole (black), "countdown" pedestrian signal heads, pushbutton with pedestrian education sign onto existing foundation as shown. (Note: Use existing conduit bend.)
- Use existing NEMA size "6" base-mounted cabinet and controller with electrical utility service equipment and all necessary equipment.
- Existing signal heads to remain.
- Use existing handhole.
- Use existing conduit.
- Proposed video detection area.
- Existing conduit to remain.
- Install 10' pedestal pole with "countdown" pedestrian signal heads and pushbutton with pedestrian education sign onto existing foundation as shown.
- Remove existing handhole. Cap and abandon existing conduit.
- Remove existing signal pole, all attached signal equipment and demolish foundation to 12 in. below grade.
- Existing interconnect splice cabinet to remain.
- Existing underground electrical service to be maintained by PEPCO.

### ULTIMATE SIGNAL

PREPARED FOR:  
CITY OF GAITHERSBURG  
DEPARTMENT OF PUBLIC WORKS  
800 RABBIT ROAD  
GAITHERSBURG, MARYLAND 20878  
PHONE \*: (301) 258-6370



No.	REVISION	DATE	BY



STREET TRAFFIC STUDIES, LTD.  
400 Crain Hwy., N.W.  
Glen Burnie, MD 21061  
Ph (410) 590-5500  
Fax (410) 590-6637  
4389u1+.DGN

## EAST DIAMOND AVE AND SUMMIT AVE

TRAFFIC SIGNAL RECONSTRUCTION  
CITY OF GAITHERSBURG  
MONTGOMERY COUNTY, MARYLAND

RRZ	SCALE	1" = 20'
DESIGN		
WN		
DRAWN	2	OF 4
CHECKED	SHEET	
DATE	2-27-04	
PROJ No.		FILE No.